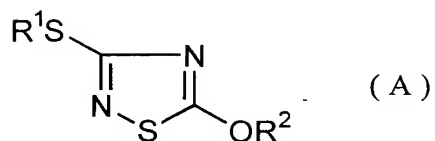
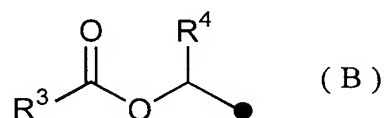


CLAIMS

1. A thiadiazole compound of the formula (A):



- 5 a C1-C7 alkyl group, a C3-C7 alkenyl group, a C3-C7 alkynyl group, a C2-C7 alkoxyalkyl group, a C2-C7 alkylthioalkyl group, a C4-C7 alkoxyalkoxyalkyl group, a C4-C7 alkylthioalkoxyalkyl group, a phenyl group in which the phenyl group may be substituted, a C1-C2 alkyl group substituted with a phenyl group in which the phenyl group may be substituted, a C1-C2 alkyl group substituted with a phenoxy group in which the phenoxy group may be substituted, a C2-C3 alkoxyalkyl group substituted with a phenyl group in which the phenyl group may be substituted, or the formula (B):



- 15 wherein R³ represents a C1-C3 alkyl group, R⁴ represents a hydrogen atom, a methyl group, an ethyl group, a propyl group, or a phenyl group in which the phenyl group may be substituted; and R² represents a C1-C4 alkyl group substituted with a hetero ring group in which the hetero ring group may be substituted, which
- 20 the hetero ring group is a five-membered ring containing only an oxygen atom(s) or a sulfur atom(s) as a hetero atom(s).

2. The thiadiazole compound according to claim 1, wherein R¹ is a C1-C7 alkyl group in the formula (A).

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3. The thiadiazole compound according to any of claim 1 to

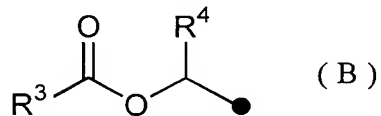
5, wherein R^1 is a C3-C7 alkenyl group, a C2-C7 alkoxyalkyl group, a C2-C7 alkylthioalkyl group, a C4-C7 alkoxyalkoxyalkyl group, or a C4-C7 alkylthioalkoxyalkyl group in the formula (A).

5 4. The thiadiazole compound according to claim 1, wherein R^1 is a phenyl group in which the phenyl group may be substituted with one or more selected from the Substituent Group A described below, a C1-C2 alkyl group substituted with a phenyl group in which the phenyl group may be substituted with one or more selected
10 from the Substituent Group A described below, a C1-C2 alkyl group substituted with a phenyloxy group in which the phenyloxy group may be substituted with one or more selected from the Substituent Group A described below, or a C2-C3 alkoxyalkyl group substituted with a phenyl group in which the phenyl group may be substituted with one or more selected from the Substituent Group A described
15 below in the formula (A).

Substituent Group A

C1-C4 alkyl group, C1-C4 haloalkyl group, C1-C4 alkoxy group, C1-C4 alkylthiogroup, C1-C4 haloalkoxygroup, nitrogroup,
20 cyano group, and halogen atoms

5. The thiadiazole compound according to any of claim 1 to 5, wherein R^1 is the formula (B):



25 wherein R^3 represents a C1-C3 alkyl group, and R^4 represents a hydrogen atom, a methyl group, an ethyl group, or a phenyl group in which the phenyl group may be substituted with one or more selected from the group consisting of C1-C4 alkyl group, C1-C4

haloalkyl group, C1-C4 alkoxy group, C1-C4 alkylthio group, C1-C4 haloalkoxy group, nitro group, cyano group, and halogen atoms; in the formula (A).

- 5 6. The thiadiazole compound according to any of claim 1 to 5, wherein R^1 is a phenyl group in which the phenyl group may be substituted with one or more selected from the Substituent Group A described below, a benzyl group in which the benzyl group may be substituted with one or more selected from the Substituent Group A described below, a phenyloxymethyl group in which the phenyloxymethyl group may be substituted with one or more selected from the Substituent Group A described below, or a benzyloxymethyl group in which the benzyloxymethyl group may be substituted with one or more selected from the Substituent Group A described below
10 in the formula (A).

Substituent Group A

C1-C4 alkyl group, C1-C4 haloalkyl group, C1-C4 alkoxy group, C1-C4 alkylthio group, C1-C4 haloalkoxy group, nitro group, cyano group, and halogen atoms

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7. The thiadiazole compound according to claim 1, wherein R^2 is a C1-C4 alkyl group substituted with hetero ring group in which the hetero ring group may be substituted with one or more selected from the Substituent Group B described below, which the
25 hetero ring group is a five-membered ring containing only an oxygen atom(s) or a sulfur atom(s) as a hetero atom(s) in the formula (A).

Substituent Group B

C1-C4 alkyl group, halogen atoms, trifluoromethyl group,

formyl group, and nitro group

8. The thiadiazole compound according to claim 1, wherein
R² is a C1-C4 alkyl group substituted with hetero ring group in
5 which the hetero ring group may be substituted with one or more
selected from the Substituent Group B described below, which the
hetero ring group is a five-membered ring containing only an oxygen
atom(s) as a hetero atom(s) in the formula (A).

Group B

10 C1-C4 alkyl group, halogen atoms, trifluoromethyl group,
formyl group, and nitro group

9. A arthropod pests controlling composition comprising an
effective amount of the thiadiazole compound according to claim
15 1.

10. A method for controlling arthropod pests comprising
applying an effective amount of the thiadiazole compound according
to claim 1 to arthropod pests or habitat arthropod pests.

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11. Use of the thiadiazole compound according to claim 1 as
arthropod pests controlling composition.